NITHISHKUMAAR K P

📞 +91-9345318072
✉ nithishkumaar20@gmail.com
 GitHub Profile
 LinkedIn Profile

Master of Science (Integrated)
Artificial intelligence and Machine Learning

EDUCATION

• **Coimbatore Institute of Technology** — *July 2019 - present*
M. Sc. Artificial Intelligence and Machine Learning — CGPA: 8.40

• **Sri Chaitanya Techno school, Bangalore** — *June 2018 - March 2019*
12th standard (C.B.S.E) — Percentage: 77.6%

PROJECTS

• **PictoPhraser: Captivating Image Caption Generator**
Generating text description of images using deep learning approaches.

– A system crafting descriptions from observed image content. Deriving features from images using **CNN (VGG16) model** and generating captions through **LSTM model**.
– Got an accuracy of 95.7%.
– Technology Used: **Python, VGG16, LSTM**

• **Catch the Phisher**
Methodology for classifying websites as phishing sites.

– Developed a robust classification framework to accurately determine the legitimacy of websites with potentially harmful motives. This was accomplished by utilizing the **XGBoost algorithm** and the **Random Forest algorithm**, resulting in impressive accuracy levels of **96%** and **96.38%**.
– Applied technologies: **Python, Flask, Restful API**.

• **The Sound of Emotion: Text to Speech with emotion**
Classifying the emotion of short story sentences and subsequently transforming them into speech reflective of the same emotion.

– This involved categorizing the sentences into **6 distinct emotions** and accurately predicting these emotions through the implementation of the **BERT framework**.
– The final step encompassed converting the textual content into speech while preserving the emotional tone, achieved by employing **deep fake audio** techniques. Got the **higher accuracy of 70%**.
– Utilized technologies : **Python, BERT**.

• **Read Me Up**
Engineered an application for efficiently managing the student, faculty, and librarian portals within a library ecosystem.

– This comprehensive library management system empowers librarians to seamlessly oversee a wide array of tasks, encompassing the addition, removal, and updating of books with intricate details.
– Leveraged: **Python, MySQL, Tkinter**.

EXPERIENCE

• **Automation Developer - Intern** — *July 2022 – November 2022*
Bosch Global Software Technologies
– Worked on the project of mail automation in daily task tracking.
– Pioneered the streamlined automation of email distribution, ensuring targeted communication to employees who have exceeded task due dates, those without due dates on their tasks, and those with ongoing tasks..
– Engineered the daily dispatch of personalized emails to individual employees, complemented by a weekly group email that effectively consolidated relevant information.
– Technologies used : **Visual Basic for Applications, Outlook**.

TECHNICAL SKILLS AND INTERESTS

Languages : C, Python
Frameworks : Scikit-Learn, TensorFlow, Open CV, NLTK
Databases : MySQL, DBMS
Areas of Interest : Machine Learning, Deep Learning, Data Analysis, Statistics, Athletics, Reading books

ACHIEVEMENTS

• **AWS Deep Racer 2.O League** — *March 2023*

– Participated in 48 hr boot-camp organized by KGiSL Educational Institutions - Top 20 Finalist